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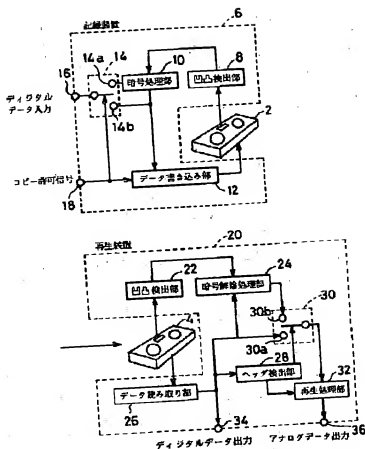
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : IBARAKI SUSUMU;

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TITLE : ILLEGAL COPY PREVENTING
APPARATUS, RECORDER,
REPRODUCER AND RECORDING
MEDIUM



ABSTRACT : PURPOSE: To prevent illegal copy by recording digital data together with copy disabling signal when the data is recorded as copy disabling, encrypting the data by using an identification code, recording it and reproducing it.

CONSTITUTION: When a copy inhibit signal is input from an input terminal 18, a switch 14 connects an input terminal 16 to a cryptographic processor 10 in response to the signal. An identification code made of 16 bits from an uneven detector 8 is converted to 64 bits four time repetition pattern corresponding to the processor 10 of 64 bit configuration to form the key of a 64-bit block encryption. The digital data is encrypted as the key of the 64-bit block encryption by the processor 10, and input to a data writer 12. The writer 12 sets a flag to a copy disabling state according to the copy disabling signal from the input terminal 18, records the signal from the processor 10 in a tape cassette 2, thereby preventing the illegal copy.

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